

## MODULE II - GENERAL FACILITY STANDARDS

### II.A. POST-CLOSURE MAINTENANCE AND MONITORING

II.A.1. The Permittee shall monitor the closed impoundments throughout the post-closure care period, which commences on the effective date of this permit, in a manner that will ensure detection of a release of hazardous waste, hazardous waste constituents, leachate, contaminated runoff or hazardous waste decomposition products to the soil, groundwater, or surface water from the closed facility. The Permittee shall maintain all treatment, containment and monitoring equipment throughout the post-closure care period in a manner that will ensure detection of a release from the closed facility and minimize the possibility of a fire, explosion, or any sudden or non-sudden release of hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

II.A.2. The Permittee shall construct the groundwater treatment and/or containment system in accordance with the approved designs and specifications contained in this permit except for minor changes deemed necessary by the Permittee to facilitate proper construction of the groundwater treatment and containment system. Minor deviations from the approved designs or specifications necessary to accommodate proper construction and the substitution of equivalent or superior materials or equipment shall be noted on the as-built drawings and the rationale for those deviations shall be provided in written form. After completion of construction of the groundwater treatment and/or containment system, the Permittee shall submit final as-built drawings and the written report to the Executive Secretary as part of the construction certification documentation specified in Condition I.F.22.

### II.B. SECURITY

The Permittee shall comply with the following security conditions:

II.B.1. A fence with lockable gates surrounding the closed LTTAs on all sides, which prevents unauthorized entry, or controlled access to the closed area shall be maintained throughout the post-closure care period.

- II.B.2. Signs which read "DANGER, UNAUTHORIZED PERSONNEL KEEP OUT" shall be posted at the entrance gates and every 100 feet along the fence and shall be maintained throughout the post-closure care period. The signs must be legible from a distance of at least 25 feet in compliance with R315-8-2.5(c).II.B.3. All security equipment shall be routinely inspected throughout the post-closure care period. The Permittee shall incorporate those security items (i.e. fence, signs of vandalism, etc.) to be inspected and the frequency of inspection on the inspection checklist which is required to be submitted by Condition II.D.1.
- II.B.4. Damaged security equipment shall be noted in the inspection checklist and repairs shall begin within twenty-four (24) hours. Repairs shall be completed as soon as practicable, but not later than seventy-two (72) hours after the problem is discovered.
- II.B.5. The Permittee shall comply with all other security procedures as specified in Attachment 1.
- II.C. PERSONNEL TRAINING
- II.C.1. The Permittee shall conduct personnel training as required by R315-8-2.7.
- II.C.2. The Permittee shall maintain training documents and records as required by R315-8-2.7(d) and (e), and shall record the type and amount of training received by each employee involved in hazardous waste management.
- II.C.3. New personnel working with the post-closure care and/or groundwater treatment and/or containment units shall complete the required personnel training within six (6) months of their hire date. These records shall indicate the type and amount of training received.
- II.D. GENERAL INSPECTION REQUIREMENTS
- II.D.1. The Permittee shall follow the inspection schedules as specified in Attachment 2.
- II.D.2. Upon discovering any deterioration or malfunction that may result in a threat to human health or the environment, the Permittee shall remedy said threat as required by R315-8-2.6(c) within seventy-two (72) hours. If the

remedy requires more time the Permittee shall submit to the Executive Secretary, before the expiration of the seventy-two (72) hour period, a proposed time schedule for correcting the problem.

- II.D.3. Problems found during periodic inspections conducted under this Module shall be corrected within the time frame stipulated in Condition II.D.2. If, upon determination by the Executive Secretary or the Permittee, continued operation of the groundwater treatment and/or containment system involved in the inspection could endanger human health and the environment, the Permittee shall cease operation of the system until the problem has been corrected. If the problem cannot be corrected within 72 hours, the Permittee shall submit a schedule to the Executive Secretary for correction of the problem.
- II.D.4. Records of inspections shall be kept at the Thiokol Facility, Box Elder County, Utah, as required by R315-8-2.6(d).
- II.D.5. Any problem which could endanger human health or the environment (tank or piping rupture, spills, etc.) shall be corrected as soon as possible, but no later than the next working day from the time the problem is discovered.
- II.D.6. The Permittee shall inspect the closed portions of the facility within twenty-four (24) hours after a storm event, and document such in the inspection log as a storm event inspection. For the purposes of inspections, a storm event shall be defined as precipitation in excess of 0.25 inches per twenty-four (24) hours and/or wind speed in excess of forty (40) miles per hour.
- II.D.6.a. The Permittee shall install, on their premises, equipment appropriate to measure and record precipitation and windspeed for the purposes of determining storm events.
- II.D.7. The Permittee shall inspect on a semi-annual basis all monitoring wells, extraction wells, and injection wells that are part of the groundwater monitoring system as specified below:
- II.D.7.a. Inspect for damage to the above ground casing;

- II.D.7.b. Inspect for damage to cement apron and assure that the annulus is properly sealed;
- II.D.7.c. If permanent, dedicated, pumps are used, verify proper operation;
- II.D.7.d. Check for visible damage and tampering to locks and monitoring well caps and;
- II.D.7.e. Insure that the wells are accessible and visible to all appropriate personnel.

## II.E. CONTINGENCY PLAN

- II.E.1. Content of Plan. The Permittee shall submit a Contingency Plan as for approval by the Executive Secretary which meets the requirements of R315-8-4.3 prior to operation of the groundwater treatment and/or containment system only if a groundwater treatment system is the selected means of remediation.
- II.E.2. Implementation of Plan. When dictated by the Contingency Plan, the Permittee shall immediately carry out the provisions of Attachment 3, and follow the emergency procedures described by R315-8-4.7. whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which threatens or could threaten human health or the environment. The Permittee shall comply with R315-9 in reporting releases to the Executive Secretary.
- II.E.3. Copies of Plan. The Permittee shall comply with the requirements of R315-8-4.4.
- II.E.4. Amendments to Plan. The Permittee shall review and immediately amend, if necessary, the contingency plan, as required by R315-8-4.5.

## II.F. RECORDKEEPING AND REPORTING

The Permittee shall submit reports as required to the Executive Secretary documenting post-closure monitoring activities and results from analyses of samples collected in compliance with closure and post-closure monitoring requirements. Copies of all appropriate records will be maintained at Thiokol Facility, Box Elder County, Utah.

II.G. FINANCIAL ASSURANCE FOR CLOSURE/POST-CLOSURE

The Permittee shall maintain continuous compliance with R315-8-8 and 40 CFR 264.140(c).

II.H. LIABILITY REQUIREMENTS

II.H.1. The Permittee shall maintain continuous compliance with R315-8-8 and 40 CFR 264.140(c), including documentation requirements, liability coverage for sudden accidental occurrences in the amount of at least one million dollars per occurrence with an annual aggregate of at least two million dollars, exclusive of legal defence costs, for the closure and post-closure period.

II.H.2. The Permittee shall maintain continuous coverage for non-sudden accidental occurrences in the amount of at least three million dollars per occurrence with an annual aggregate of at least six million dollars, exclusive of legal costs, for the closure and post-closure period.

II.I. INCAPACITY OF PERMITTEE, GUARANTORS OF FINANCIAL INSTITUTIONS

The Permittee shall comply with all the provisions of R315-8-8 and 40 CFR 264.140(c) whenever appropriate.